

FIG. I

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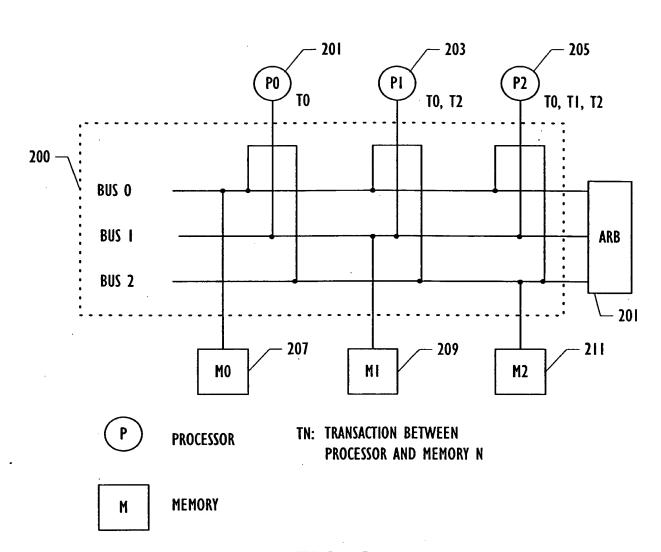


FIG. 2

		RESOURCES			
		0	1	2	
REQUESTERS	0	*	0	0	
	1	0	1	1	
	2	1	1	1 .	
EIC 3	Α.		R		

RES NRQ	RES	J	
0 nrq[0]	0	0	1
nrq[1]			
nrq[2]			

ROUND-ROBIN POSITION GRANTED REQUEST

		0	RESOURCES 1	2
	0	X	0	0
REQUESTERS	1	0	1	1
	2	1	X	1
	_ '		R	

FIG. 3B

l	J	RES	NRQ
1	0	1	nrq[0] = 0 nrq[1] = 2 nrq[2] = 2

ROUND-ROBIN POSITION **GRANTED REQUEST**

	RESOURCES			
		0	1	2
	0	ж	0	0
REQUESTERS	1	0	1	*
	2	. 0	Ж	0
			R	

=	
FIG.	3C

	J	RES	NRQ
1	0	2	nrq[0] = 0
			nrq[1] = 1
			nrq[2] = 0

ROUND-ROBIN POSITION **GRANTED REQUEST**



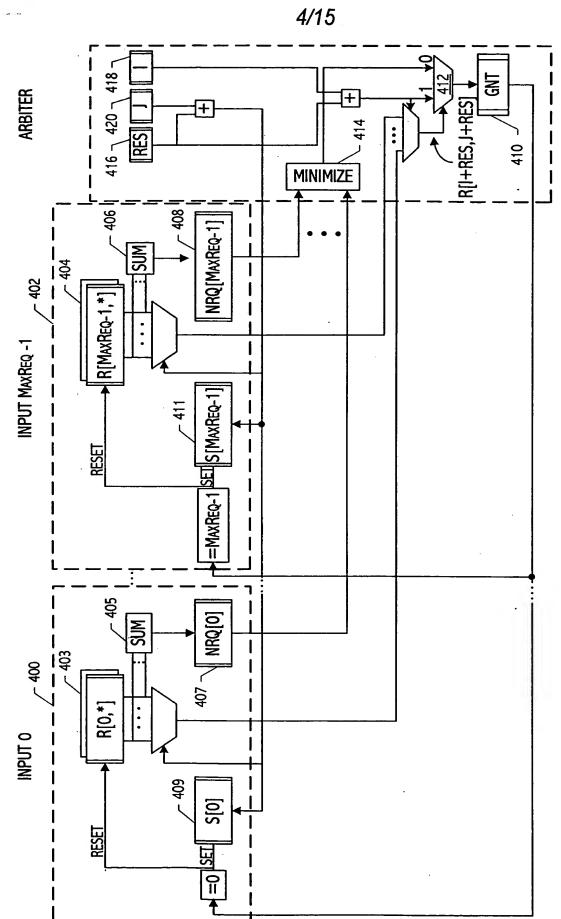


FIG. 4

•		RESOURCES			
		0	1	2	
	0	1	0	1	
REQUESTORS	1	0	*	1)	
	2	0	1	1	
			. R		

	<u> </u>	REQ	NRQ
1	0	0	nrq[0] = 1 nrq[1] = 2 nrq[2] = 3

ROUND-ROBIN POSITION

GRANTED REQUEST

FIG. 5A

	RESOURCES			
	ſ	0	1	2
	0	1	0	1
REQUESTORS	1	0	X	1
	2	0	0	x :
FIG. 5	B '		R	

]	REQ	NRQ
1	0	1	nrq[0] = 1 nrq[1] = 0
			nrq[2] = 3

ROUND-ROBIN POSITION

GRANTED REQUEST

		RESOURCES			
		0	1	2	
	0	Ж	0	0	
REQUESTORS	1	0	X	0	
	2	0	0	ж	
FIG.	5C		R		

	J	REQ	NRQ		
1	0	2	nrq[0] = 1		
			$n\underline{rq}[1] = 0$		
			nrq[2] = 0		
ROUND-ROBIN POSITION					

ROUND-ROBIN POSITION

K GRANTED REQUEST

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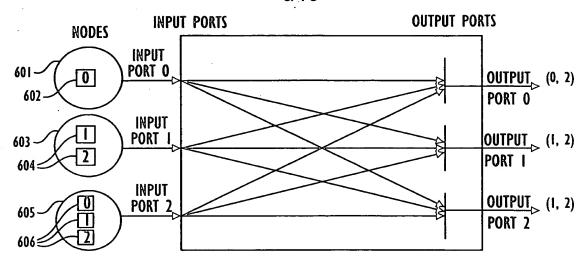
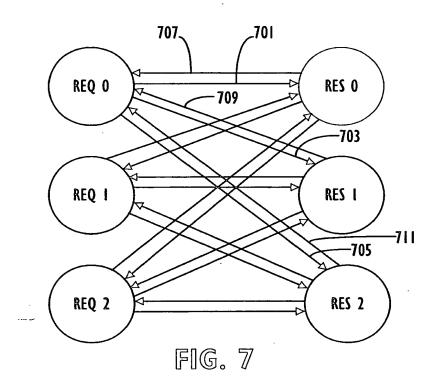


FIG. 6



	Output Port O	Output Port 1	Output Port 2
REQUEST VECTOR O	l	0	0
REQUEST VECTOR I	0	I	1
REQUEST VECTOR 2		I	
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		R	ESOUR	CES	
R:		0	1	2	3
	0	0	1	1	0
	1	*	1	1	1
REQUESTERS	2	1	0	1	1
	3	0	1	0	0

RES	NRQ
0	0:2
	1:4
	2:3
	3:1

FIG. 9A

 \bigcirc ROUND-ROBIN POSITION \times GRANTED REQUEST I = 1, J = 0

	RESOURCES				
R:		0	1	2	3
	0	0	1	1	0
	1	®	0	0	0
REQUESTERS	2	1	0	1	1
	3	0	*.	0	0

RES	NRQ
1	0:2
	1:0
	2:2
	3:1
	I

FIG. 9B

 \bigcirc ROUND-ROBIN POSITION \times GRANTED REQUEST I = 1, J = 0

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8/15

		RESOURCES				
R	:	0	1	2	3	
	0	0	1	*	0	
	1	®	0	0	0	
REQUESTERS	2	1	0	1	1	
	3	0	X	0	0	

RES	NRQ
2	0:1
	1:0
	2:2
	3:0

 \bigcirc ROUND-ROBIN POSITION \times GRANTED REQUEST I = 1, J = 0

FIG. 9C

		RESOURCES			
R		0	1	2	3
	0	0	0	X	0
DEGUIECTERS	1	®	0	0	0
REQUESTERS	2	1	0	1	*
	3	0	×	0	0

RES	NRQ
3	0:0
	1:0
	2:1
	3:0

 \bigcirc ROUND-ROBIN POSITION \times GRANTED REQUEST I = 1, J = 0

FIG. 9D

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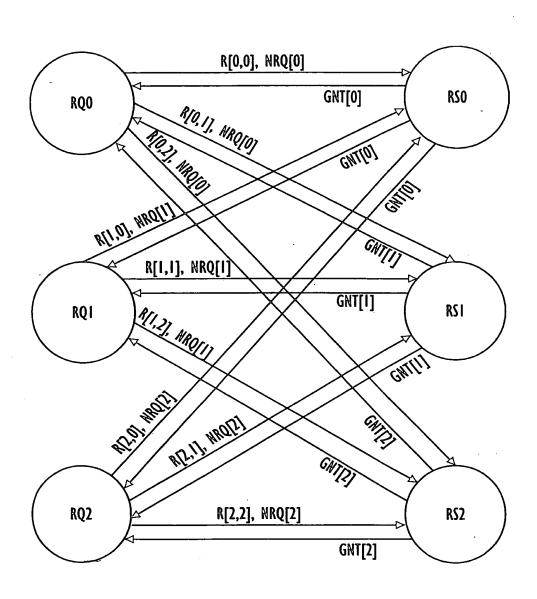


FIG. 10

á:	=
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7:	=
gu:	=
*::	==

	RESOURCES				
R:		0	1	2	3
REQUESTERS	0	0	0	*	0
	1	®	1	1	1
	2	1	0	1	1
	3	0	*	0	1

IT	NRQ	GNT	NRS	ACC
0	0:1	0:1	0:2	0:2
	1:4	1:3	1:2	1:0
	2:3	2:0	2:3	2:-1
	3:2	3:3	3:3	3:1

FIG. IIA

ROUND-ROBIN POSITION

GRANT ACCEPTED BY REQUESTOR

GRANT SENT BY RESOURCE

I = 1, J = 0

IT	NRQ	GNT	NRS	ACC
1	0:0	0:1	0:1	0:2
	1:0	1:3	1:0	1:0
	2:3	2:0	2:1	2:3
	3:0	3:2	3:1	3:1

FIG. IIB

ROUND-ROBIN POSITION

GRANT ACCEPTED BY REQUESTOR

GRANT SENT BY RESOURCE

I = 1, J = 0

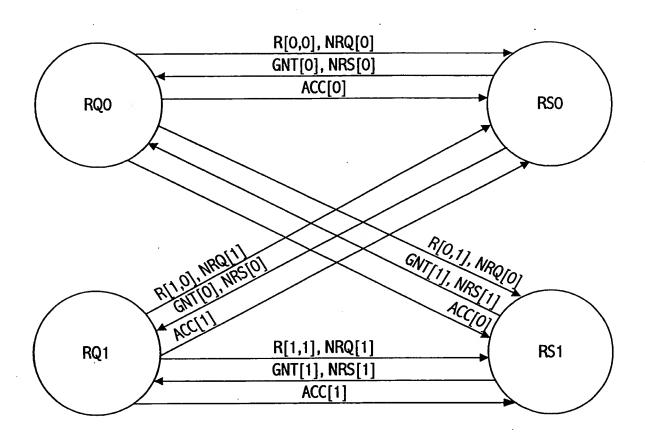
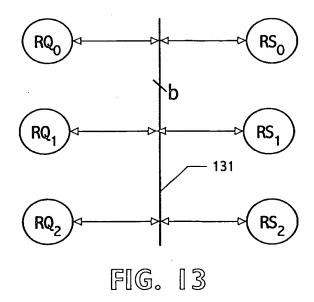


FIG. 12

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12/15



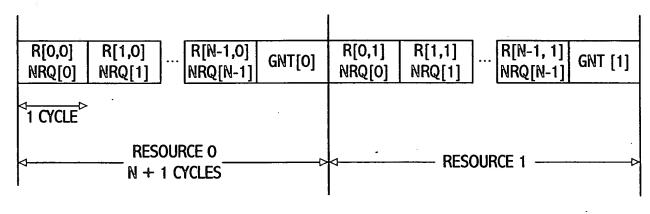


FIG. 14

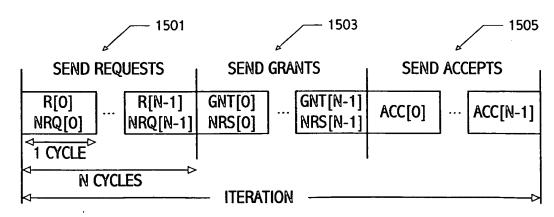
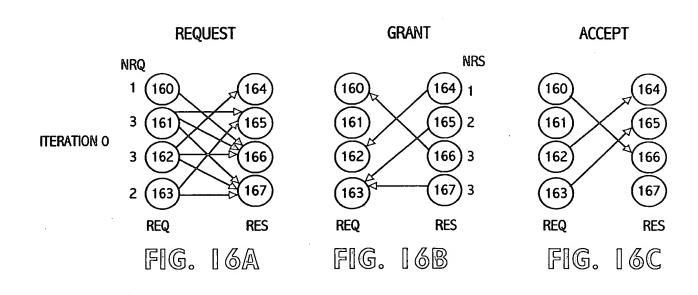
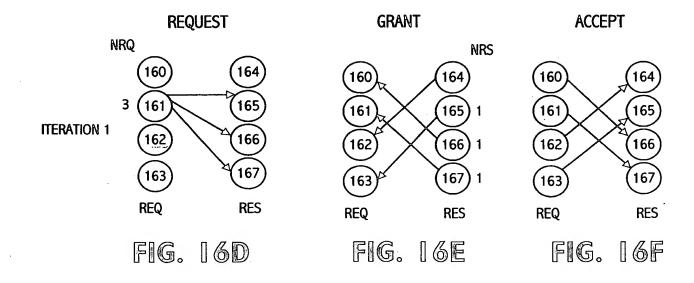


FIG. 15

APPROVED Q.G. FIG.
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13/15





APPROVED O.G. FIG.

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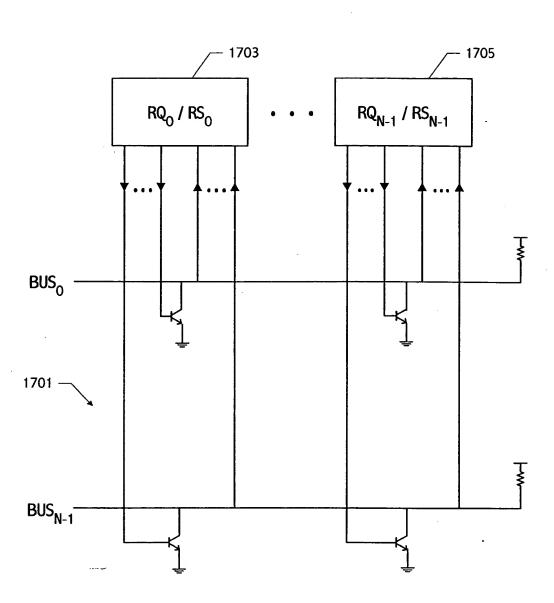
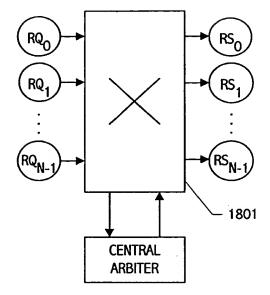


FIG. 17

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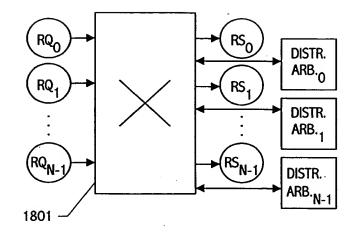


FIG. 18A

FIG. 18B